

## CLAIMS

What is claimed is:

1. A method of calibrating a scanner, comprising the steps of:
  - 2 performing a full calibration scan;
  - performing at least one partial calibration scan;
  - 4 comparing the full calibration scan to the partial calibration scan;
  - re-performing the full calibration scan when the difference between the partial
  - 6 calibration scan and the full calibration scan is at least equal to a predetermined amount.
2. The method of claim 1 where the partial calibration scan does not move the scan head.
3. The method of claim 1 where the partial calibration scan does not turn off the scanner  
2 lamp.
4. The method of claim 1 where the partial calibration scan is done periodically.
5. The method of claim 4 where the period between partial calibration scans is based on  
2 time.
6. The method of claim 4 where the period between partial calibration scans is based on  
2 temperature.
7. A method of calibrating a scanner, comprising the steps of:

performing a full calibration scan;

2 performing at least one partial calibration scan;

comparing the full calibration scan to the partial calibration scan;

4 adjusting the gains globally for the full calibration scan when the difference  
between the partial calibration scan and the full calibration scan is less than a  
6 predetermined amount.

8. The method of claim 7 where the partial calibration scan does not move the scan head.

9. The method of claim 7 where the partial calibration scan does not turn off the scanner  
2 lamp.

10. The method of claim 7 where the partial calibration scan is done periodically.

11. The method of claim 10 where the period between partial calibration scans is based on  
2 time.

12. The method of claim 10 where the period between partial calibration scans is based on  
2 temperature.

13. A method of calibrating a scanner, comprising the steps of:

2 performing a full calibration scan and storing the results as a reference scan;

performing at least one partial calibration scan without moving the scan head;

4 comparing the reference scan to the partial calibration scan;

performing a PRNU calibration scan and storing the results as a reference scan  
6 when the difference between the partial calibration scan and the reference scan is at  
least equal to a predetermined amount.

14. The method of claim 13 where the partial calibration scan is done periodically.

15. A method of calibrating a scanner, comprising the steps of:

2 performing a full calibration scan and storing the results as a reference scan;  
performing at least one partial calibration scan without moving the scan head;  
4 comparing the reference scan to the partial calibration scan;  
adjusting the gains globally for the reference scan when the difference  
6 between the partial calibration scan and the reference calibration scan is less than a  
predetermined amount.

16. The method of claim 15 where the partial calibration scan is done periodically.

17. A method of calibrating a scanner, comprising the steps of:

2 performing a PRNU calibration scan and storing the results as a reference  
scan;  
4 performing at least one partial calibration scan without moving the scan head;  
comparing the reference scan to the partial calibration scan;  
6 re-performing the PRNU calibration scan when the difference between the  
partial calibration scan and the reference scan is at least equal to a predetermined  
8 amount.

18. The method of claim 13 where the partial calibration scan is done periodically.

[illegible]